





### 3.1 ?????

??JavaME????????????String????String????????????????????

1. ???

public String(byte[] bytes, String enc) throws UnsupportedOperationException

2. ???

public byte[] getBytes(String enc) throws UnsupportedOperationException

?????????????GB2312??C5 B5 BB F9 D1 C7?

#### ??????????

```
byte[] codes = {0XC5, 0XB5, 0XBB, 0XF9, 0XD1, 0XC7};
String string = new String(codes, "gb2312");
testForm.append(string);
```

??????????

#### ??????????

```
byte[] codes = ????.getBytes("gb2312");
for (int i = 0, t = codes.length; i < t; i++) {
    String hexByte = Integer.toHexString(codes[i]);
    if (hexByte.length() > 2) {
        hexByte = hexByte.substring(hexByte.length() - 2);
    }
    testForm.append("0X"+ hexByte.substring(0, 2) + ", ");
}
```

??????0XC5, 0XB5, 0XBB, 0XF9, 0XD1, 0XC7?

### 3.2 ?????????????

????????????????System.getProperty("microedition.encoding")????????????????NOKIA????????????ISO8859-1?

??NOKIA  
S40v2????????????????????????????????????ISO8859-1[????5]??ISO8859-1????????????

??

```
boolean isEncodingSupported (String encoding) {
    try {
        "???.getBytes(encoding);
        return true;
    } catch (UnsupportedEncodingException uee) {
        return false;
    }
}
```

??Unicode?NOKIA????????ucs-2????utf-8????utf-8?utf8?utf\_8????????????CLDC

### 3.3 readUTF() ? writeUTF(String)

CLDC????????????????DataInputStream??readUTF()?DataOutputStream??writeUTF(String)????????Java Doc?writeUTF(String)????????????UTF8????byte????2????????????UTF8?byte????readUTF()????????2??? Document?

## 4.????????

????????CLDC????????????API??

??

1. ???
2. ???

????????????????????

1. ?????????????????
2. ?????????????????
3. ?????????????????
4. ?????????????????

## 4.1 RMS????????

????????????readUTF?writeUTF????

?UTF8???RecordStore?????:

```
String content = "????";
ByteArrayOutputStream bos = new ByteArrayOutputStream();
DataOutputStream dos = new DataOutputStream(bos);
dos.writeUTF(content);
byte[] bytes = bos.toByteArray();
rs.addRecord(bytes, 0, bytes.length);
```

?RecordStore???UTF8?????:

```
byte utfBytes[] = rs.getRecord(dbid);
DataInputStream dis=new DataInputStream(new ByteArrayInputStream(utfBytes));
String content = dis.readUTF();
```

????UTF8????????????????????????????????Unicode?GB2312????????????????3.2????????????????

?GB2312???RecordStore?????:

### 3.2 ?????????????



ä, -æ \_J2MEä, -æ ç¼ ç é @éc

new String(nokiaBE, "ucs-2")new String(nokiaLE, "ucs-2")nokiaLE

```
nokiaLE = {(byte)0xff, (byte)0xfe,
(byte)0xfa, (byte)0x8b, (byte)0xfa, (byte)0x57, (byte)0x9a, (byte)0x4e,};
```

new String(nokiaLE, "ucs-2")

BTWResourceUnicodeUTF-8ResourceJar

### 4.3

sockethttp

httpxmlkxml

org.kxml2.io.KXmlParser.setInput(InputStream is, String \_enc)

\_enc\_parser\_kxml2\_wml

JADUTF8JADUTF8Ultral

EditorJAD/MENIFESTJAD/MENIFESTJavaSE

### 4.4 JAD

NOKIA Series 40vOTAJad/JarJADMIME

typeencodingUTF8JADUTF8

UnicodeUTF8UnicodeUTF8UnicodeUTF8

UnicodeUTF8String

### 4.5 UnicodeUTF8

UnicodeUTF8UnicodeUTF8UnicodeUTF8

UnicodeUTF8String

### 4.6

GB2312

1. GB2312(GB2312GB18030)
2. GB2312
3. GB2312

## 5. ?????

1. ??????????????[1]
2. ?Java?????????Hello Unicode?[2]
3. ?UTF-8, a transformation format of ISO 10646?[3]
4. ?UTF-8 and Unicode FAQ?[4]
5. ?Series 40 Developer Platform 2.0: Specification?[5]